

NSA May Start Savings-Loan Plan At Institute

Object Is To Provide Funds at Low Interest So Students Can Travel

Formation at the Institute of a new type of savings-loan plan for the encouragement of overseas and U. S. travel is at present under the consideration of The National Student Association here. The contemplation has reached a point where it is necessary to get some measure of student reaction to such a plan and the NSA hopes that all students (or staff) either personally interested in the plan, or merely having a constructive opinion, will contact that organization.

Originated at the University of Colorado, the savings-loan plan was reasonably successful at that school. The main points of the plan are as follows:

1. Students, staff, or other regular members of the Technology family may make a minimum of about 20 monthly deposits of \$5.00, or multiples thereof, into a so-called revolving fund. In general the earlier a student joins the plan the larger the number of deposits he might make; thus a freshman might possibly be able to make over 40 deposits, Sophomores possibly 30, etc.

Deposits Invested

2. Deposits would be invested, by the administration, in securities. The deposits would of course be returned at any time an individual wished to drop the plan.

3. At the end of a stipulated period—normally during a summer vacation, or at graduation—the participants would be able to apply for a loan matching the total of their deposits. These loans would probably have to be supported by money loaned from the Institute until such time as the fund built up an adequate surplus.

4. Interest on the loans would be low, possibly in the 3% range, but a goal of the projects would be to continually lower the interest rate as the surplus expands.

Gift Possibilities

5. In the initial years of the plan some specific time would probably have to be set for repayment of the

(Continued on Page 4)

Dorm Christmas Formal Features George Graham At Walker On Dec. 9

Saturday night, December 9, from 8:30 to 12:00, the Annual Dormitory Christmas Formal will be held in Walker Memorial. Music will be provided by George Graham and his orchestra with Marvin Burns and Company entertaining the crowd with specialties during the intermission. For the dance Walker Memorial will be decorated in a Christmas motif including a large tree with lights.

Tickets at \$1.80 per couple will be sold starting tomorrow, by the Dormitory Social Committee.

Among the members of the committee in charge of the dance are Chairman Ralph Romano '51, Stanley Sidney '52, David N. Weber '52, Stanley Buchin '52, Kenneth Kreuger '51, Edward Facey '52, Stanley Marcewicz '51, Rogers Downey '51, Taj Hanna '52 and Howard Zasloff '52.

Baker Campaign Starts With Dinner For Fund Members

Inaugurating the Baker Memorial Campaign, which officially opens December 4, will be a kick-off dinner Thursday, November 30, 1950, in Morss Hall at 7:00 p.m. Division Captains, Team Captains, Contact Men, and other campaign personnel will be present.

Among the invited guests are Dr. Karl T. Compton, Dr. Julius A. Stratton, Dr. Dana L. Farnsworth, Dean Thomas P. Pitre, Dean Thomas L. Hilton, Dr. John B. Wilbur, Dr. John R. Loofbourow, Professor Ivan J. Geiger, and Mr. Morgan Baker, brother of the late Dean Baker.

Gerald S. Burns '51, and Frederick W. Weitz '51, Co-directors of the campaign, also announced the addition of Donald R. Walker G as a Division Captain.

The Co-directors also announced the following partial list of Team Captains available at this time:

Robert Butters, Joseph Cahn, George Colville, Dale Cooper, Charles Daw, Merrill Ebner, John Ehrenfeld, Wilbur Fiske, Ralph Folsom, Sherman Goldberg, Ralph Greter, Robert Cross, Ernest Grunsfeld, Eddy Hair, Joseph Iannicelli, Kenneth King, Robert Knopf, Kenneth Kopple, Jerry Levine, Howard Livingston, Robert Lindquist, Louis Mahoney, Edward Margulies, Nicholas Melissas, Jim Michelman, Martin Miller, John Mudgett, Robert Norton, John O'Brien, Peter Phillion, Ralph Preles, Gustave Rath, Samuel Raymond, Richard Reuther, Robert Schmidt, Robert Sims, Seldon Spangler, Robert Stephenson, Hans Stern, Anthony Tabak, Jack Tschupp, Helmut Weber, Andrew Wessell, and Robert Wolfson.

During the two weeks, December 4 through December 15, every member of the M.I.T. student body will be visited personally by a representative of the Baker Memorial Committee.

Tech's-A-Poppin To Feature Wide Variety Entertainment, Revitalized Hexapoppin

B. U. FLAPPERS PRACTICE



Four Boston University Girls, part of a troupe of more than thirty girls to participate in a Hexapoppin' show act, practice their routine.

This year's Tech's-A-Poppin Weekend will feature eleven separate sports and social events ranging from basketball to beauty contests. The events will occupy the weekend of Friday and Saturday, December 1 and 2, and will include several of Technology's intercollegiate teams along with musical and dramatic groups from local colleges, Boston radio personalities, and a complete floor show for the T. P. Dance.

Several major changes have been effected since last year's weekend. Major efforts have been directed toward scheduling teams which will assure scrappy and lively sports contests in all games; the Hexapoppin' Show has been completely revised; the Tech's-A-Poppin Queen Contest has been reorganized; and the overall schedule has been changed in an effort to make more events readily available to more people.

Basketball Followed by Dance

Opening event for T. P. will be the Technology-Harvard basketball game to be played at Harvard. Following the varsity contest the committee has scheduled the Tech's-A-Poppin Dance which will feature—on the musical side—Brad Kent and his full orchestral complement.

Threefold entertainment for the dance has been arranged. Master of Ceremonies will be Bob Clayton, Boston Disc Jockey and radio announcer. Clayton will supervise the Beauty Contest, participate in the floor show, and introduce various divisions of the Kent orchestra which will give novelty musical interpretations.

Beauty Queen Contest

For the beauty contest, each preliminary judge will be provided with a certain number of roses and official invitations. He will select a

(Continued on Page 4)

Pres. Killian To Speak At Next LSC Forum

"Education For Freedom" will be the topic of a forum to be held on Tuesday, December 7. Crane Brinton, Harvard's well-known historian; Julius S. Bixler, president of Colby College; Joseph Keenan, professor of mechanical engineering at the Institute, and President James R. Killian, Jr., will participate. Acting as moderator will be Karl W. Deutsch, professor of history at Technology.

This forum is the next in the series of philosophy forums originated last summer by the Lecture Series Committee. It will be held at 7:30 p.m., in Room 10-250.

The speakers will discuss the aims of education in a free society and attempt to evaluate the present educational system. Problems concerning the meaning of freedom, the task of education in a free society, and the criteria of a good curriculum will be taken up.

All of the speakers have long been interested in education problems. Professor Brinton has received wide acclaim for his lucid popularization of philosophy, *Ideas and Men*. Both Deutsch and Bixler have published works concerning improvements on our present system of education.

New Cloud Chamber Made By Brookhaven Scientists

A cloud chamber of improved usefulness to atomic research, but simple enough to be built at home, was described at the American Physical Society meetings at the University of Chicago last Saturday by four scientists from Brookhaven National Laboratory, Upton, New York.

To operate any cloud chamber,

the experimenter makes a saturated atmosphere. Atomic particles themselves are much too small to see. But as they dart through this atmosphere in the chamber, they leave a trail of small droplets which are clearly visible—like the vapor trail left by high flying aircraft. Heretofore in cloud chambers, the "cloud" has been made by a complicated mechanical expansion of a space holding a vapor, so that tracks suddenly appear for a very brief interval.

Diffusion Process

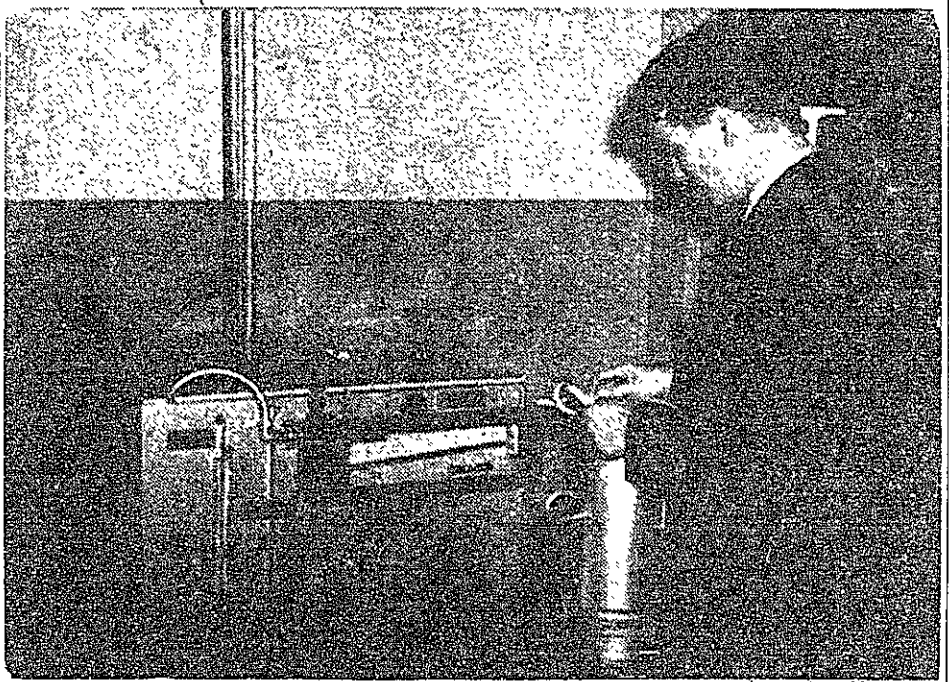
In the new continuous chamber, explained the Brookhaven representatives, the vapor diffuses continuously from a warm upper surface to a cold lower one through air or another gas. At some point between the two surfaces, the diffused vapor will become sufficiently cool to produce supersaturation. Because vapor is continually diffusing, the chamber will show tracks continuously. This continuity of operation assures scientists of obtaining in a short time, and without interruption, many photos of interactions of atomic particles, according to the four scientists.

The device, therefore, is particularly useful in studying interactions caused by beams of particles from cyclotrons and other high energy machines, they pointed out. Also, since it is simple to make and operate without interruption, it is useful in the classroom.

Musical Clubs Present Christmas Concert Dec. 8

Presented by the combined musical clubs, the annual Christmas Concert, conducted by Professor Klaus Liepmann, will be held in Jordan Hall at 8:30 p.m. on Friday, December 8. Program for the evening consists of Haydn's "Creation" which will be sung by the Men's Glee Club and the Choral Society accompanied by the M.I.T. Symphony Orchestra, solo roles are to be sung by professionals Paul Matthen, bass; Willabelle Underwood, soprano; and Gene Cox, tenor.

Textile Division Developed Impact Tension Instrument



Professor Rogers B. Finch of the Textile Division is shown testing a sample of fabric in an instrument designed to measure the strength of the material.

By DAVID WEBER

All of the research undertaken by the Quartermaster Corps during the last war was paid for by the monetary savings that occurred when their research facilities developed a shrink resistant sock. Many of the principles underlying the mechanical behavior of fiber structure, which were used by the Army laboratories, were established by the Textile Division of the Mechanical Engineering Department. Research undertaken by this

division is aimed at the development of instruments which will test the overall reactions of the fiber. Electronic instrumentation, servomechanism, linear differential transformers, and high speed photographic techniques have all been applied to the study of textiles.

Project Undertaken for Air Force

A research project of the Textile Division which proved of great

(Continued on Page 2)

The Tech

VOL. LXX

TUESDAY, NOVEMBER 28, 1950

NO. 48

MANAGING BOARD

General Manager Marvin C. Grossman, '51
Editor Thomas G. Hagan, '51
Co-Managing Editors William R. Miller, '51; John R. Sevier, '51
Business Manager David A. Janis, '51

OFFICES OF THE TECH

News, Editorial and Business—Room 020, Walker Memorial, Cambridge 39, Mass.
Telephones: KIRKland 7-1831, 7-1832.
Business—Room 335, Walker Memorial. Telephone: KIRKland 7-1831.
Mail Subscription \$3.00 per year, \$5.00 for two years.
Published every Tuesday and Friday during college year, except during college vacation, under the Act of March 31, 1879.
Represented for national advertising by National Advertising Service, Inc., College Publishers Representative, 420 Madison Ave., New York, N. Y.

Night Editor: Robert M. Lurie, '52

Assistant Night Editor: Robert F. Barnes, '53

CALENDAR OF EVENTS

NOVEMBER 29 TO DECEMBER 5, 1950

WEDNESDAY, NOVEMBER 29

Acoustics Laboratory. Seminar: "Theory of Cochlear Frequency Discrimination." Mr. William Huggins. Room 20E-121, 4:00 p.m.
Electrical Engineering Department. Colloquium: "Problems of the Young Teacher Learning to Teach." Professor Samuel J. Mason. Room 6-120, 4:30 p.m. Refreshments will be served in Room 6-321 at 4:00 p.m.
Catholic Club. "Question Box." Reverend Alonzo McDonnell, C.S.P. Room 1-190, 5:00 p.m. Everyone cordially invited.
Hillel Foundation. Seminar: "Fundamental Jewish Ideas." Rabbi Maurice Zigmund. Crafts Lounge, 5:00 p.m.
Inter-Varsity Christian Fellowship. Weekly Meeting: "What Is A Christian?" Room 5-104, 5:00 p.m.
Mathematics Society. Lecture: "Fourier Series." Dr. Walter Rudin. Room 4-370, 5:00 p.m.
Tech Model Aircrafters. Discussion of Present A.M.A. Rules. du Pont Room, Building 33, 5:00 p.m.
Chemistry Department. Harvard-M.I.T. Physical Chemistry Colloquium: "Some Free Radical Reactions." Professor George B. Kistiakowsky, Harvard University. Room 6-120, 8:00 p.m.

THURSDAY, NOVEMBER 30

Civil and Sanitary Engineering Department. Seminar: "Structural Features of the Embankment Road Improvements." Colonel Lewis E. Moore. Room 1-390, 4:00 p.m.
Physics Department. Colloquium: "Dislocations and the Plasticity of Crystals." Professor Egon Orowan. Room 6-120, 4:15 p.m.

FRIDAY, DECEMBER 1

Mechanical Engineering Department. Seminar: "Engineering Problems Involving Critical Speed and Loads." Dr. Stephen H. Crandall. Room 3-470, 4:00 p.m. Coffee will be served in Mechanical Engineering Headquarters, Room 3-174, from 3:30 to 4:00 p.m.
Freshman Squash Team. Match with Harvard Club at Briggs Field, 5:00 p.m.
Tech's-A-Poppin 1950. Basketball: M.I.T. vs. Harvard at Harvard University, 8:00 p.m. Dance in Morss Hall and 5:15 Club Room with a Queen Contest and Floor Show, 9:00 p.m. to 2:00 a.m.

SATURDAY, DECEMBER 2

Varsity Rifle Team. Match with Harvard University. Rifle Range, 9:30 a.m.
Debating Society. Varsity Debate. Room 5-104, 2:00 p.m.
Tech's-A-Poppin 1950. Hockey: M.I.T. vs. Tufts, Boston Garden, 2:30 p.m. Wrestling: M.I.T. vs. Springfield, Rockwell Cage, 7:30 p.m.
Swimming: M.I.T. vs. Brown University, Alumni Pool, 8:00 p.m. Fencing demonstration, Rockwell Cage, 8:30 p.m. Hexapoppin Show: Varieties put on by neighboring colleges, Rockwell Cage, 9:30 to 11:15 p.m.
Hillel Foundation. Hayride. 8:00 p.m. Sign up in Building 10.

MONDAY, DECEMBER 4

American Meteorological Society. Boston Student Branch. "Methods of Probability in Weather Forecasting." Dr. George P. Wadsworth. Room 3-370, 7:30 p.m.
Outing Club. Lauletaan Song-Fest. Tyler Lounge, Walker Memorial, 8:00 p.m.

TUESDAY, DECEMBER 5

Varsity Hockey Team. Match with Harvard University. Boston Garden, 9:00 p.m.

STAFF PLAYERS OF M.I.T.

The Staff Players of M.I.T. will present Shakespeare's "Twelfth Night" in Huntington Hall, Room 10-250, at 8:30 p.m. on November 30, December 1 and 2. On Saturday afternoon, there will be a matinee with special rates for high school students and their teachers. Tickets may be obtained at Information, T. C. A. and the Graduate House.

EXHIBITIONS

An exhibition of mobile sculpture by Alexander Calder will be on display in the New Gallery of the Charles Hayden Memorial Library, December 5 through January 14. Mr. Calder will be present at the opening of the exhibition on December 5 from 8:00 to 10:30 p.m. Staff and Students are invited to attend. The installation of the exhibition is by James Johnson Sweeney, formerly of the Museum of Modern Art.

Photographic Salon prints by H. J. Ensenberger of Bloomington, Illinois, will be on display in Photographic Service Gallery, Basement of Building 11, from November 20 to December 3.

CALENDAR OF EVENTS

The Calendar of Events is published weekly on Tuesday in THE TECH, and contains announcements for the following week. A separate listing of the Calendar of Events can be obtained for one dollar a year, payable in advance at Room 7-204.

Announcements, typewritten and signed, must be in the office of the Editor, Room 7-204, not later than noon on Thursday, prior to publication date. Material for the Calendar, December 6-12 is due Thursday, November 30.



By STAN BENJAMIN

Will those of you who eat regularly at Walker Memorial please raise your hands? Come on. Okay. The rest of you can leave, if you want to. I'm going to skip the usual anecdotes this week in favor of a brief discussion of an issue that may affect you Walkers—namely contract feeding.

In a very short time, a referendum will be held among residents of the old dorms to determine whether or not contract feeding will be initiated at Walker. A vote of sixty per cent of the dorm-dwellers will be enough to start contract negotiations between Dorm Comm. and the office of Mr. Baldwin, head of Technology's Dining Hall Department. You should know about these things, but none of them are official, or therefore fit for release as news. So as next best, here are the unofficial opinions of the official sources.

Contract feeding will cost you less. How much? Can't say. But it will be substantially less than the ordinary cost of meals. Medical authorities feel that the contract plan will insure balanced, well-planned diets, whereas present students diets are often haphazard, and intermittent, particularly when a heavy date depletes the finances. The student under contract feeding will be entitled to seconds on most of his meals. But he will not have his choice of meals, as there will be only one stock menu per meal, take it or leave it. But as a Baker House resident expressed it, "Of course you can't please everybody all the time, but on the whole I'm all in favor of it." Baker House is one place where C.F. is being successfully operated, and it is an encouragement to Walker. But Walker also feeds a large number of faculty members, secretaries, one-meal commuters, all of whom would be directly affected by the adoption of C.F. Plans for what-to-do-with-them are a little hazy right now. They could still eat at Walker on a permeal basis, but they

(Continued on Page 4)

Letters to the Editor

Dear Sir:

AN OPEN LETTER TO THE JUNIOR FROM COMMITTEE

Gentlemen, last night you succeeded in doing something that I would almost have sworn no one would ever do. You made me thoroughly ashamed that I was a student at M.I.T. If that's what you were trying to do, consider your Junior Prom a success. I suppose this will be quite a shock to you... quite a shock to learn that there are still some people here at M.I.T. who don't think it's hilariously funny to listen to songs such as those forced upon the audience by the group of hillbilly singers which, I take it, you freely selected as entertainers. I'm referring in particular to the last song which they sang... "A Tobacco Road Hymn." It's too bad that they couldn't let well enough alone and been thankful that they got through with the last few numbers which preceded the one to which I refer. I don't think I'm being a prude about this, but that song was nothing but offensive and insulting, not only to myself I'm sure.

You, as members of the JP Committee, were responsible for seeing to it that there wasn't anything in the program that offended anyone. You missed the boat. I think you owe some of us, if not all of us, an apology.

J. E. Fitzgerald '52

Textile

(Continued from Page 1)

value in World War II was their invention of the Impact Tension Instrument, which determines the ability of fibers to absorb energy at high speeds. Because of the shortage of silk the Air Force was forced to use nylon and rayon in their parachute shroud lines. It was therefore necessary to determine which combination of fibers would best absorb the sudden shock due to bailouts.

The instrument consists of a 500 pound weight held by an electromagnet, which when releases falls fifteen feet, striking the bottom jaw of a clamp. A sample is suspended

from the upper jaw containing a load measuring element, all of which is missed by the missile as it drops. As the weight strikes the bottom jaw holding the lower end of the sample, it carries this jaw down as it descends, through approximately eighteen inches.

Energy Absorbed by Springs

Only a small portion of the energy stored in the falling weight is used to break the sample. The remaining energy is absorbed by a two and a half ton shock absorber built into the base of the machine. This consists of heavy weights supported in a frame, in turn supported by thirty-six coil springs.

All data is electronically relayed to an oscillograph from which a photographic film is obtained showing the relation between maximum load, extension and time. President Killian, whose office was then directly below the testing laboratory, was on hand the first time the weight was released to make sure that it landed squarely on the shock absorber, and not on the floor above his desk.

DuPont Buys Testers

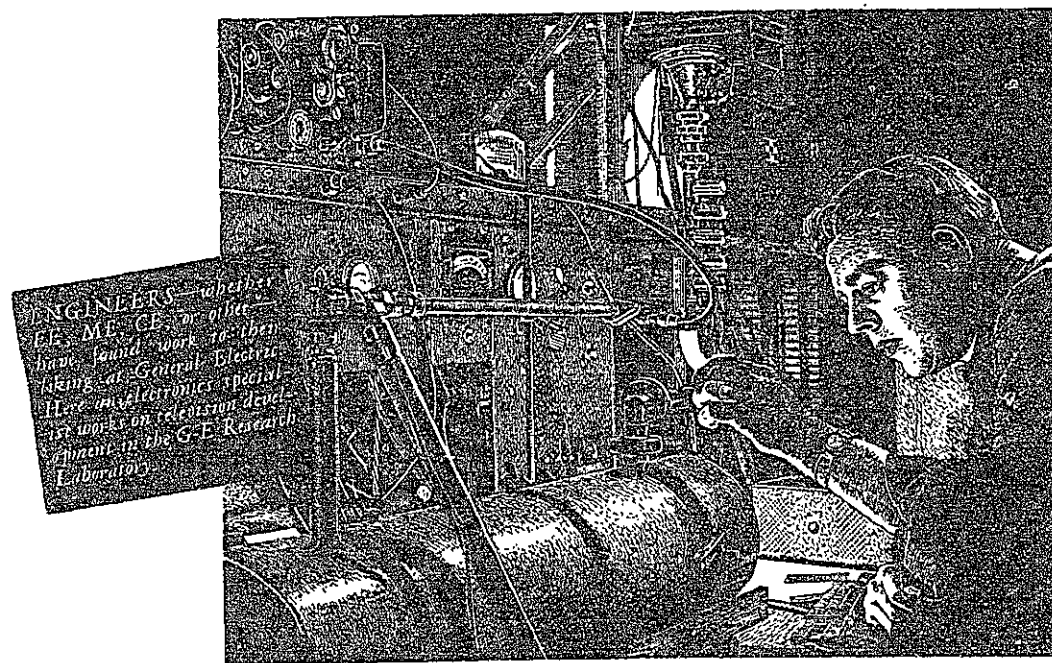
Shortly after the war a Servo-controlled Tensile Strength Tester was developed by two research assistants, Harold Hindman and G. S. Burr. It made possible the evaluation of stress-strain characteristics of single fibers as well as materials having high ultimate strength. In 1947 the two men formed the Instron Engineering Corporation, which now manufactures the Tensile Tester. Six of these instruments, which cost approximately \$7,500, have been bought by the DuPont Company.

In this Age of Synthetic Textiles there will be an increased demand for instruments like those developed by the Textile Division. They will be needed to determine the best properties of each type of fiber, so that they can be combined in new and better fabrics.

TECH'S-A-POPPIN

The Social-Athletic weekend of the year
DEC. 1 & 2

G. L. FROST CO., INC.
AUTOMOBILE BODY REPAIRING & REFINISHING
F. E. PERKIN
Tel. ELiot 4-9100
31 LANDSDOWNE STREET
CAMBRIDGE, MASS.



General Electric's corps of scientific, engineering, and technical specialists has more than doubled since 1941

Products, like streams, rise no higher than their source. At General Electric the source of new and better products is our corps of scientists, engineers, physicists, chemists, and other technicians, recruited from American colleges and given further opportunities for study and training in long-established G-E courses.

In the years since 1941, General Electric has increased this corps of technical graduates from less than five thousand to more than ten thousand.

These men and women have found themselves needed in the Research

Laboratory and more than twenty other G-E laboratories... in the engineering and developmental staffs of nine G-E Operating Departments... in manufacturing and sales... in such new undertakings as jet engines, radar, silicones, gas turbines for locomotives and electric power generation.

At General Electric, prime importance is placed on recognizing and developing talent and skill, on providing incentives for creative thinking, on keeping ahead in electrical research, engineering, and manufacturing.

You can put your confidence in—

GENERAL ELECTRIC

Tech Basketeers To Meet Harvard In Opening Game

This Friday night at Harvard will see the opening of Tech's basketball season as well as the start of Tech's-a-poppin' week-end. Cleo O'Donnell, newest of the coaching staff, will learn how much his pre-season efforts helped the squad, and the team will be able to get their first indication of the effectiveness of their new offense.

Beavers Lack Height

The basketeers worst handicap this year is lack of height. The starting lineup which will probably consist of Captain Leon Hong and last year's sophomore whiz kids, highscorer Herb Glanz, Mike Nacey, Hank Hohorst, and Larry Garthe are relatively small for a college ball club. Big Hank, the tallest, stretches to 6'4", and the others range in height down to Hong's 5'5". Some good points help counter-

act for this weakness. Every man on the starting five is a better than average shot.

Probably the deadliest of all is "little Leon" whose speed and deceptiveness more than make up for his small stature. Although height will hurt us on the backboards, Coach O'Donnell is employing the team's speed in an offense which is aimed toward greater rebound strength as well as employing Herb Glanz's play making ability to the best advantage.

Harvard Strong

Compared to the Beavers, Harvard has a strong team. The big and irascible Crimson center, Smith, height 6' 6", will be hard to hold down. One of the important factors in this Friday's contest will be how well Smith can be controlled. That assignment will probably be given to Hohorst who has made steady improvement on his rebound ability.

Beaver Hockey Team To Face Tufts Squad In Garden Saturday

The Beaver Hockey team will take the ice against a strong Tufts squad on Saturday at 2:00 p.m., the second day of Tech's-a-Poppin weekend.

The Engineers are expected to put up a strong tussle, but lack of practice and graduation losses have proven hard blows, and the team will not be in top condition against the Jumbos.

Starting Team

Defenseemen Bill Pinkham and Howie Anderson will protect back ice for the three periods. Burt Woodward will be in the nets and will be spelled by George Stevenson. Which of the three forward lines will hold forth against the Medford skaters when the whistle blows is not known, but sure to see action are Co-Captains Paul Grady, left wing on the first line, and Mathew Chisholm, center on the second offense. This is the Beaver's first game and should give an indication of how well the squad will fare this season.

Techsapoppin Weekend Starts Sports Season For Six Team Squad

Tech winter sports get away with a bang this weekend as a major part of the Techs-a-poppin' weekend. Basketball, hockey, wrestling, fencing, swimming and riflery will all be a part of this action-packed event.

Beaver basketball fans will get their first look at the varsity as they battle Harvard on their opponent's court. The game will start at 8:00 Friday night. Captain Leon Hong will lead the squad against a powerful Crimson quintet. Although Tech lost four key varsity men last year, they have come along in fine shape under the leadership of newly appointed Coach Cleo O'Donnell and should give Harvard a tough tussle.

Wrestlers To Open Big Season Against Springfield's Team

Roy Merritt, the new varsity wrestling coach, is looking forward to a successful season. Promising members of last year's Frosh squad are filling in many of the vacancies left in the team by graduating seniors. Holdovers from last year's squad, Captain Tom Callahan, Bob Robertson, and Sam Michtel will also get some aid from transfer students Sinclair Buckstaff and Burton Conant, who are eligible to wrestle for Tech this year. The first match, against Springfield College, this Saturday night at 7:30 p.m. in Rockwell Cage, may be one of the best of the season. The team will be trying to avenge last year's 15-14 loss suffered at Springfield.

Freshmen Needed

The frosh squad starts its season Dec. 9 when the Varsity and frosh wrestle against Harvard. The freshman squad, though not as large as Frosh coach Charles Steinmetz would like it to be, has men in every weight class. Freshmen are reminded that they receive A-1 credit for wrestling. The squad works out daily in Rockwell Cage between 4 and 6 p.m. Previous experience is not necessary.

Rifleman Meet Harvard

The next sports event of the weekend will be a rifle match between the Engineers and Harvard Saturday morning at 9:30 at the Tech rifle range. This is the first official match of the season for a very strong Beaver team which is expected to break a lot of records this year, under the leadership of Captain Herb Voelker. The rifle-men have fired a few practice shoulder to shoulder matches in the Boston area and the results have been very encouraging.

Saturday afternoon at 2:00 the Technology pucksters will meet Tufts in a match at the Boston Garden. The Beavers should show plenty of spirit but they are not in top shape for what should prove to be a hard game. The Jumbo band will be on hand to cheer on the participants.

Grapplers

At 7:30 in the evening the Tech wrestling team will square off against Springfield in Rockwell Cage. Roy Merritt, the new wrestling coach, will send his charges out in an attempt to avenge last year's defeat. Captain Tom Callahan will lead the Beaver squad which has been greatly strengthened by some good men from last year's freshman team and transfers from other schools.

Rockwell Cage will be the scene of a swimming meet between the Beavers and Amherst Saturday at 8:00. Coach Gordon Smith's aquamen have not shown too much this season but they may be up for this one.

To make the weekend complete there will be a fencing demonstration in Rockwell Cage at 2:30. The participants will be Coach Silvio Vitale, Phil Gibber and Robert Dione.

WE DARE THEM ALL!

PHILIP MORRIS challenges any other leading brand to suggest this test

HUNDREDS OF THOUSANDS OF SMOKERS, who tried this test, report in signed statements that **PHILIP MORRIS IS DEFINITELY LESS IRRITATING, DEFINITELY Milder!**



1... Light up a PHILIP MORRIS
Just take a puff—DON'T INHALE—and s-l-o-w-l-y let the smoke come through your nose. Easy, isn't it? And NOW...



2... Light up your present brand
Do exactly the same thing—DON'T INHALE. Notice that bite, that sting? Quite a difference from PHILIP MORRIS!

Other brands merely make claims—but PHILIP MORRIS invites you to compare, to judge, to decide for yourself. Try this simple test. We believe that you, too, will agree... PHILIP MORRIS is, indeed, America's FINEST Cigarette!

NO CIGARETTE HANGOVER

means MORE SMOKING PLEASURE!



CALL FOR **PHILIP MORRIS**

TECH'S-A-POPPIN
The Social-Athletic weekend of the year
DEC. 1 & 2

GOING HOME FOR CHRISTMAS?
FLYING IRISHMAN
LOWEST FARE TO ANYWHERE

LOS ANGELES	}	\$88
SAN FRANCISCO		\$24
CHICAGO		\$34
MIAMI		

ANY OTHER DESTINATION
SEE HOWARD FISHER
BAKER HOUSE
EXT. 331 BOX 54

Only Boston Appearance This Season
SYMPHONY BALLROOM—HUNT AVE.
THUR., NOV. 30
JERRY GRAY
GREATEST BAND IN 15 YEARS

T. ECH'S-A-POPPIN
P. RESENTS
ON DECEMBER 1 & 2
THE SOCIAL-ATHLETIC EVENT OF THE YEAR

SUCH FEATURES AS
T.P. DANCE HEX-A-POPPIN VARIETIES
BASKETBALL HOCKEY
BEAUTY CONTEST FLOOR SHOW
AND MANY OTHER ATTRACTIONS
GO TO MAKE A WEEKEND THAT WILL
LONG BE REMEMBERED BY ALL WHO ATTEND
Get Your T.P. full weekend ticket (\$4 per couple) while the FEW TICKETS REMAINING are still on sale.

T.P.

(Continued from Page 1)

number of girls corresponding to his allotment of invitations and will give these girls an invitation and a rose. After all the judges have distributed the invitations the girls will be called to the microphone and the committee will proceed to select the Tech's-A-Poppin beauty queen.

The final judging committee will be composed of Dr. Killian acting as chairman and assisted by Dean of Science George Harrison, Assistant Dean of Students Thomas L. Hilton, Athletic Association President Theodore Mangelsdorf, and Institute Committee President Arthur A. Wasserman.

After the contest, much of the weekend will revolve around the queen. She and her escort will be present at each succeeding event as guests of honor.

Running from 9:00 p.m. until 2:00 a.m., the dance will be the longest of the year, and will be Friday's culminating event.

Rifle, Hockey Teams Compete

Early risers will be able to attend Technology-Harvard Rifle Contest to be held at the rifle range at 9:30 a.m. Saturday. At 2:00 p.m., Technology's pucksters will engage the Tufts hockey team. The game, which has been a three-year Tech's-A-Poppin' standby may be the beginning of a traditional Tech-Tufts hockey rivalry.

The next major event of the weekend is a sports triad—Tech will face Springfield in wrestling at Rockwell Cage, Amherst in Swimming at the Alumni Pool, and will sponsor a Fencing Demonstration at 7:30, 8:00, and 8:30 p.m., in Rockwell Cage.

Immediately following the fencing demonstration, the Hexapoppin' show will be presented. As previously stated the show's format has been completely revised. The participants will present variety acts which have been selected as the best representatives from Boston University, Simmons College, Wellesley College, and the Federated Newman Clubs of Boston. Following the Hexapoppin' Show, which is the final weekend event, there will be several parties given by various living groups in the nearby vicinity.

Lounger

(Continued from Page 2)

would have to take what the menu of the day ordains; it has also been suggested that they might eat at Pritchett Lounge though that seems hardly feasible from my point of view. The system would probably provide for five or six days a week of meals under contract, so that students could eat out or take trips without paying unnecessarily for the weekends, as is a common complaint against Harvard's seven-day contract.

There is another angle: Institute Health and Safety inspectors would like to stop the occasional practice of cooking in the dorms, which has been found to be unsanitary. Walker's kitchens are undisputedly clean, being subject to frequent sterilization of all utensils, periodic bacteria counts, careful temperature controls, etc. And in that respect they have quite general backing on the part of the administration, which would like to see refrigerators and hot plates out of the dorms.

At last count there were between 60 and 70 refrigerators in dorm rooms, and appliances account for several thousand dollars' worth of electricity bills annually. But cost is not the main objection. Safety inspectors have found dormitory circuits overloaded, pennies in fuse boxes, circuit-breaks wired shut, and just last year there were two fires in dorm rooms caused directly by hot plates.

To summarize:

Contract feeding is cheaper, more dependable, but less convenient.

The referendum will not be binding, but the final contracts signed individually will be.

Small charges may eventually be levied for electrical appliances on a power consumption basis, and this is only fair.

Then again, if there are any better suggestions. . . .

NSA Loan

(Continued from Page 1)

loans—possibly 30 or 40 months after the date of the loan.

6. It might be possible to interest parents in this plan as a form of gift; other such ideas may later present themselves.

The main object of the plan would be to provide a source of loans for travel purposes, so that students of limited means would be given one more way that travel might be financed. The plan would allegedly not conflict with any other, as it is merely a loan fund and a method of forced savings. Its advantages would include a low interest rate and a minimum of red tape.

Student Views Sought

Mr. Malcolm Kispert of the President's Office has been consulted and has indicated that he feels the objectives of the plan worth while. If enough students are interested, details may be worked out.

Any inquiries, comments, etc., should be addressed to Frank E. Heart '51 or Herbert M. Oestreich '53, NSA office, Walker.

NOTICES

Young Republican Club

John L. Rawlinson, former consulate official in China, will speak on the recognition of Communist China at 5:00 p.m., Wednesday, November 29, in Tyler Lounge.

Christian Science

A free lecture entitled, "Christian Science, the Science of Divine Completeness," will be given on Thursday, November 30, in Room 1-190 at 5:15 p.m. Dr. Hendrik J. de Lange, C.S.B., of New York City, a member of the Board of Lectureship of the Mother Church, First Church of Christ Scientists in Boston, will speak under the auspices of the Christian Science organization at the Institute.

LSC Movies

H. G. Wells' screen play, "Things to Come," starring Raymond Massey,

TECH'S-A-POPPIN

The Social-Athletic weekend of the year
DEC. 1 & 2

will be shown by the Lecture Series Committee tonight at 7:30 p.m. in Room 10-250. Admission is thirty cents.

Course XV Tea

Course XV will hold a student-faculty tea today in the Faculty Lounge of Walker Memorial from 5:00 p.m. to 6:00 p.m.

Electric Railroaders

The Electric Railroaders' Association will hold a business meeting Thursday, November 30, at 5:00 p.m. in Room 5-112. Color slides of the Lehigh Valley Transit will be shown after the meeting.

Theft

Two weeks ago, a one yard by two yards Techs-a-Poppin Banner was removed from the T.P. sales desk in the lobby of Building 10. The Techs-a-Poppin Steering Committee stated that if the Banner is returned to the Athletic Association office this week, no further action will be taken.

TECH'S-A-POPPIN

The Social-Athletic weekend of the year
DEC. 1 & 2

4 ENGINE AIRCOACH

FLY CALIFORNIA 75

MIAMI Non Stop \$34
CHICAGO HONOLULU Make Your Advance Reservations Now
ROYAL AIRCOACH AGENCY—HOTEL BRADFORD
(Rates Plus Tax From N. Y. Connections Made)
HA 6-6355

So light... so dry

... glass
after glass
after glass

Schaefer Pale Dry

the beer that's both light and dry

Look for the name
Pale Dry
on the red and white
Schaefer label

OUR HAND HAS NEVER LOST ITS SKILL

The F. & M. Schaefer Brewing Co., New York, N. Y.